



Elco® Self-Drilling Screws With FLO-SEAL® Integral Sealing Washer Design

Diameter: #12 (.212" thread o.d.) and 1/4" (.248")
Point Style: #12 diameter has a #2 PT, 1/4" diameter has either a #3 PT or #1 PT. "STITCH"
Finish: Stalgard® Corrosion Resistant Finish (see below for details)
Washer Design: E.P.D.M. 1 Piece "integral" Washer, 9/16" O.D.
Head Style: #12 & 1/4" stitch have 5/16" Hex (A.F.), 1/4" diameter has 3/8" Hex (A.F.)
Origin: Manufactured by Elco Construction Products in Rockford, IL
 Complies with "Buy America" Act

Elco's patented Flo-Seal is the only one-piece washer design system that incorporates a unique outer skirt and inner compression ring system along with a premium corrosion resistant finish. Under driven, over driven or angle driven, Flo-Seal delivers a custom seal with each fastening.

PULL-OUT VALUES (AVERAGE LBS. ULTIMATE)

STEEL GAUGES

DIA.	Point Style	24	22	20	18	16	14	12
#12	2	241	287	371	607	844	1184	1860
1/4"	1	327	433	565	802	1148	--	--
1/4"	3	229	290	341	617	884	1141	1852

Point	Diameter	Application Range
#1	1/4"	Fastening or "stitching" light gauge sheets up to 18 ga. (.096" Max. combined)
#2	#12	Up to .150"
#3	1/4"	Up to .210"

FASTENER VALUES

DIA.	Tensile (lbs. min.)	Shear (Avg. lbs. ult.)	Min. Torsional (in.-lbs)
#12	2800	1875	92
1/4	3850	2590	150

Catalog Numbers

Description	Cat #
12 - 14 x 3/4"#2 PT.	HB150
12 - 14 x 1"#2 PT.	HB180
12 - 14 x 1" (Hi Thread)	HB200
12 - 14 x 1 1/4"#2 PT.	HB235
12 - 14 x 1 1/2"#2 PT.	HB295
12 - 14 x 2"#2 PT.	HB310
12 - 14 x 2 1/2"#3 PT.	HL285*
12 - 14 x 3"#3 PT.	HL295*
12 - 14 x 4"#2 PT.	HL310*
1/4 - 14 x 7/8"#1 Pt. Stitch	HB515
1/4 - 14 x 3/4"#3 PT.	HB500
1/4 - 14 x 1"#3 PT.	HB525
1/4 - 14 x 1 1/4"#3 PT.	HB550
1/4 - 14 x 1 1/2"#3 PT.	HB570
1/4 - 14 x 2"#3 PT.	HL585*
1/4 - 14 x 3" #3 PT.	HL600*
1/4 - 14 x 4" #3 PT.	HL610*

*EPDM Bonded Sealing Washers, Not FloSeal

Corrosion Resistance Performance Data:

Salt Spray Results (ASTM B117): 800 hours - No signs of red rust

Silver Stalgard is an entirely chrome-free process that combines and inorganic zinc-rich basecoat with an aluminum-pigmented organic topcoat. This duplex technology offers advantages of both sacrificial and barrier corrosion protection and is engineered to provide exceptional bi-metallic corrosion resistance with reduced whiting. Unlike conventional plating processes, the non-electrolytically applied coating eliminates the concern of hydrogen embrittlement.